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(54) Title: PROTEIN CRYSTAL COMPRISING THE PROCESSIVITY CLAMP FACTOR OF DNA POLYMERASE AND A LIGAND, AND ITS USES

(57) Abstract: The present invention relates to a protein crystal comprising the processivity clamp factor of DNA polymerase and a peptide of about 3 to about 30 amino acids, in particular of about 16 amino acids, said peptide comprising all or part of the processivity clamp factor binding sequence of a processivity clamp factor interacting protein, such as prokaryotic Pol I, Pol II, Pol III, Pol IV, Pol V, MutS, ligase I,  $\alpha$  subunit of DNA polymerase, UmuD or UmuD', or eukaryotic pol  $\epsilon$ , pol  $\delta$ , pol  $\eta$ , pol  $\iota$ , pol  $\kappa$ .

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